79-14

FRINK LIGHTING SERVICE

for BANKS and

INSURANCE COMPANIES



REFLECTORS



The Signey Quality

ESTABLISMEN 1857 CATALOG Nº 425





I.P. FRINK REFLECTORS

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DESIGNER AND MANUFACTURER OF SCIENTIFIC AND ARTISTIC LIGHTING SPECIALTIES

THE REFLECTORS
ILLUSTRATED HEREIN ARE
ORIGINAL FRINK DESIGNS
AND ARE COVERED BY
PATENTS ISSUED

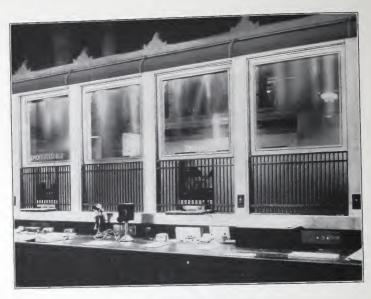
SEPT. 25, 1906 JUNE 15, 1909 JULY 27, 1909 JUNE 27, 1911 OCT. 31, 1911 AUG. 18, 1914 JULY 13, 1915 JULY 27, 1915 OTHER PATENTS PENDING



1.P. FRINK, INC.

24位 STREET & IO 也AVENUE, NEW YORK CHICAGO OFFICE SAN FRANCISCO, CAL. WRIGLEY BUILDING 77 OFARRELL STREET

FRINK CORNICE REFLECTORS



NATIONAL CITY BANK

CHOWING the Frink System applied to marble cornice; reflector with No. 16 gauge cold-drawn bronze frame running continuously around the inner side of main screen cornice, with switch arrangement to light each cage separately. When figuring the cost, consider that our equipment includes part of the work usually furnished by the screen manufacturer, the electrical contractor and fixture house. Obtain estimates from the screen manufacturer for the extra moulding necessary to form a finish to the inner side of the cornice, the cost of cutting the bronze or marble for bracket outlets, and an estimate from the electrical contractor on the extra work required for a bracket equipment, such as running his conduit and providing junction boxes at each bracket outlet, add the above expense to the cost of the brackets and shades, and deduct the whole amount from the reflector estimate, and you will find the difference, if any, is very slight, and not to be considered when compared with the symmetrical and highly efficient equipment which is the result of the use of our system.

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GENERAL · BANK · LIGHTING



ROBABLY no class of interior lighting requires more precise knowledge and ability to secure desired results, than does the modern banking room. This is largely due to the need for separating the public from the working space by means of en-

closing partitions, or screens, forming thereby cages, within which the work performed is of a most exacting nature and necessitating thoroughly good lighting.

The banking room is then first of all a place of business, and as such its lighting must be both effective and conducive to efficiency. But the bank is also, as a rule, a structure of monumental design and proportions. It must hence be illuminated in a manner to harmonize these two conditions or requirements.

By means of the Frink system each working surface is given careful study and a reflector provided therefor which not only amply lights the surface, but does this in a manner which eliminates all objectionably bright surfaces within the normal field of vision. The result is illumination conducive to maximum efficiency with a minimum of eyestrain or fatigue; a truly desirable result.

Frink lighting systems being designed to fulfil the requirements above outlined are sufficiently flexible to be readily adapted to any form of structure and to any architectural motif. It is the one system which makes possible the effective lighting of banking rooms in an entirely harmonious manner.

The importance of proper lighting cannot be overestimated. This is particularly true of the bank, for aside from its value as a clerical efficiency producer, proper illumination correctly applied has an aesthetic significance and value that is a direct asset to the institution.

YOU WILL PROFIT BY KEEPING THIS IN MIND WHEN CONSIDERING THE LIGHTING OF YOUR BANK WHETHER OLD OR NEW

FRINK CORNICE REFLECTORS



GUARANTY TRUST COMPANY
New York

This is one of the finest examples of bank architecture in the country.

For illuminating the counters 223 feet of screen reflector with heavy bronze frame and diffusing glass doors are used. The desks are lighted by 226 desk reflectors made of No. 16 gauge cold-drawn bronze, square standards and cast bases.

This system of lighting was decided upon by the architects and engineers of the bank after a careful consideration of all types of lighting methods that were offered.

In the construction of this building only the best materials were used, and it is, therefore, with some pride that we exhibit this installation as indicative of the possibilities of the Frink System.

We have been widely commended on this work by the Bank officials, patrons and visitors.

After using this installation seven years in their Broadway building, we were awarded the contract for the screen and desk reflector equipment for their Fifth Avenue and 43rd Street branch, also for the new branch at Fifth Avenue and 44th Street. A testimonial for quality and service.

FOR DESIGNS SEE PAGES 6 AND 7

FRINK CORNICE REFLECTORS



FIRST NATIONAL BANK

Denver, Colorado

An example of the Frink Combination Cornice and Light Diffusing Reflector System as originally adopted for this institution.

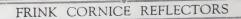
The reflector on main screen cornice illuminates the desks on the inner side of the screen and those reflectors over partitions illuminate desks on both sides and trim off the partitions with a cornice effect. See pages 16 and 17 for typical layout.

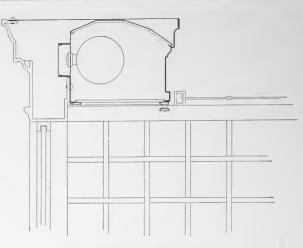
Each cage in this installation is equally and effectively illuminated over the entire cage area with diffused light.

Installations of this character may be had in cold drawn bronze or steel formed to any cornice or molding detail desired.

We offer the services of our Engineering Department and the experience gained by thousands of installations throughout the United States and Canada.

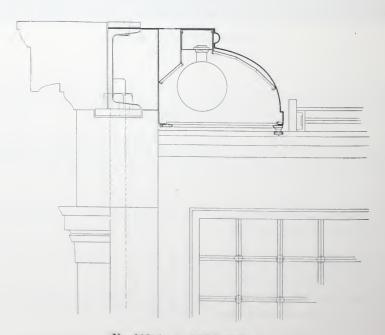
FOR DESIGNS SEE PAGES 6 AND 7





No. 18507. 1/4 FULL SIZE

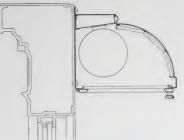
Reflectors are a part of and form a finish to inner side of main screen cornice. See description page 2. Can be made special to suit any cornice and arranged for Frink Linolite, Edison base bulb or tubular lamps. Any of the types shown on page 7 can also be constructed as a part of the bank screen cornice.



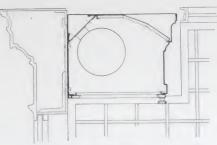
No. 18505. 1/4 FULL SIZE



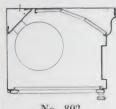
4 Full Size Cross Sections



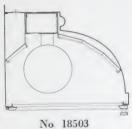
No. 800

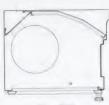


No. 801

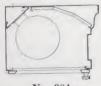


No. 802

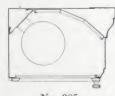




No. 803



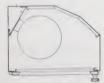
No. 804



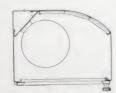
No. 805



No. 806



No. 807



No. 808



No. 809

Cuts show standard types which are made to be applied to a finished cornice or form a finish to the inside of cornice as shown on page 6.

No. 806 and 809 are made for standard base tubular or Linolite lamps only. Constructed of bronze or steel.

SEE PAGE 26 FOR END FINISHES

FRINK CORNICE REFLECTORS



The many beautiful banking rooms in all sections now lighted by the Frink System of continuous trough reflectors are the best possible indication of the adaptability of our system to this type of room.

In fact, we do not hesitate to say that, all things considered, the Frink System of Concealed Lighting by Means of Continuous Trough Reflectors is Preeminently the Bank Light.

Regardless of architectural motif, all Banking Rooms of necessity incorporate as an essential feature a counter screen separating the public from the working spaces. This essential characteristic is availed of in the design and application of Our System of lighting, and is, in fact, the feature which makes the system distinctive of the Banking Room.

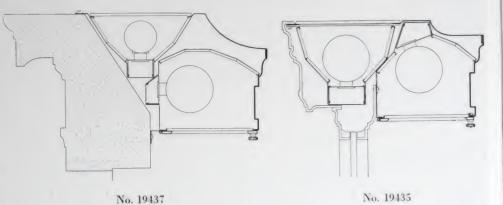
Visible light sources being entirely eliminated, the premises assume a freer and more monumental aspect, and it is ordinarily difficult for the uninitiated to discern "where the light is coming from."

Naturally, a system of this kind cannot consist of stock units or designs, since unless it properly blends with surrounding architectural features the application will not be successful.

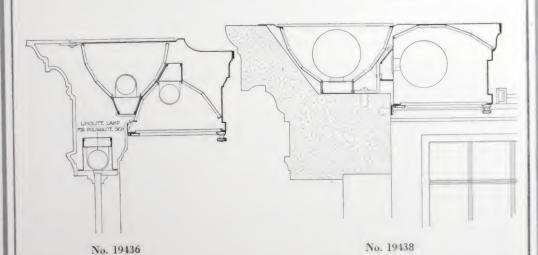
The illustration above gives an excellent idea as to the effect obtained while the scale drawings show more intimately the typical contours and the application of these to the screen cornices. The services of our Engineering Department in applying this idea are yours for the asking, and you are urged to avail yourself thereof. Definite recommendations will be made on receipt of preliminary plans and elevations of rooms under consideration.



4 Full Size Cross Sections



Typical Designs



Combination cornice, reflector and upward diffuser. With this method, the reflector is part of and forms a finish to inner side of cornice. The lower reflector lights the counter while the upper reflector distributes the light over the ceiling for general illumination. Made specially to suit any cornice.

FRINK DIRECT AND INDIRECT LIGHTING



CUT SHOWING ILLUMINATION THROUGH GLASS CEILING AND FROM REFLECTORS IN COVES

The natural lighting of the Banking Room by means of glass ceiling suspended beneath an outer skylight is a practice much favored where building location and design will permit.

This idea, however, is scarcely complete if measures are not also taken to provide for the artificial lighting in the same general direction, *i. e.*, through the glass ceiling. If this be not done, what is a beautiful ornamental panel in daylight—becomes after nightfall an unsightly black hole in the ceiling.

The result of such treatment if carefully handled, is indeed well worth the time and effort expended since by means of this scheme of illumination the general effect is the same under both the natural and artificial light.

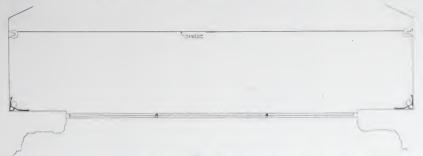
There are many details entering into the solution of this problem such as the relation of the outer skylight, the location, area and type of glass for the ceiling sash, which must be carefully examined into if satisfaction is to result.

We have in our long practice solved many such problems, and will gladly place at the disposal of architects and engineers the facilities and experience of our Engineering Department.

Definite recommendations will be made where desired. These to involve both the glass and the artificial lighting equipment.



Method of Lighting Sky-Lights or Glass Ceilings



SHOWING INDIRECT METHOD OF LIGHTING ART GLASS SKY-LIGHT BY REFLECTION FROM SHADE ON ROLLER



Fig. B

SHOWING METHOD OF LIGHTING GLASS CEILING BY CONCENTRAT-ING REFLECTORS, PROPERLY SPACED, ABOVE CEILING. WRITE US, GIVING DETAILS, FOR OUR RECOMMENDA-TIONS AS TO AVOIDANCE OF SHADOWS OR SPOTS

Concealed Lighting from Coves

TYPICAL SECTIONS

Showing method of illuminating rooms by reflectors installed in coves or cornices. This system offers excellent opportunities for producing beautiful effects where conditions are favorable. It is advisable when time will permit to submit propositions of this kind to the engineering department for advice. Send plans, if possible, or better still preliminary sketches showing the architect's idea of the design of the room, from which we can make suggestions regarding construction and position of cove that will insure satisfactory results. An ornamental ceiling is preferable to a plain one. In any case, a reflector specially designed to suit the conditions should be used. We offer expert advice.



Fig. D

FRINK DESK REFLECTORS



MECHANICS AND METALS NATIONAL BANK of the City of New York

This bank is one of the leading financial institutions of the United States and has one of the largest and best equipped banking rooms available, covering an area of approximately 10,500 square feet.

The scientific illumination of the working surfaces situated within the various parts of this area was designed to meet the most exacting conditions, each desk, counter and table receiving individual treatment.

A lighting system for a bank of this character must work itself into the detail of the equipment and not detract from the dignity and simplicity, and be rich but not gaudy. The prevailing finish of the interior of this particular installation is Old English Oak; consequently the entire Frink equipment of fixtures and reflectors for the bank screens, desks, etc., made of cold-drawn bronze, statuary finish.

The Frink Linolite 25 watt Mazda lamp was chosen as the source of light for all fixtures. The very efficient manner in which the rays of light from this lamp are distributed and directed without glare over the working surfaces is shown in the illustration.

FOR DESIGNS SEE PAGES 14, 15, 20 AND 21

FRINK DESK REFLECTORS



MISSION BRANCH BANK OF THE GERMAN SAVINGS AND LOAN SOCIETY
San Francisco, Cal.

The general illumination of this building is accomplished by the Frink Semi-Indirect Electrolites. For the localized lighting over work-tables and check desks, Desk Reflector No. 18521 was used.

The Bank Screen Reflector molding is carried around each counter partition.

Frink Linolite Lamps are used in all reflectors.

The best indication of the company's satisfaction with the work entrusted to us is given in the letter quoted below.

"Shortly after the Mission Branch was finished the Board of Directors held their monthly meeting in the new bank at night, and the next day the President told us that the Directors were so well pleased with our system of illumination that they passed a resolution authorizing him to have us go over their main bank on California Street, the Haight Street Branch Bank and the Richmond District Branch Bank and improve their lighting."

"We made our recommendation and secured the order for these three banks." (Signed) MANAGER OF SAN FRANCISCO BRANCH.

FOR DESIGNS SEE PAGES 14, 15, 20 AND 21

FRINK DESK REFLECTORS



DESK WITH EVENLY DIFFUSED LIGHT OVER ENTIRE WORKING SURFACE

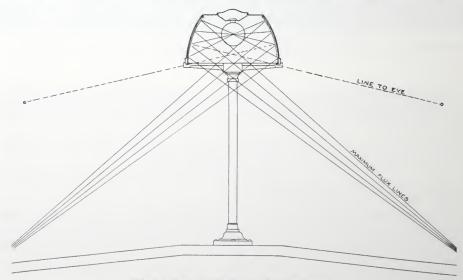
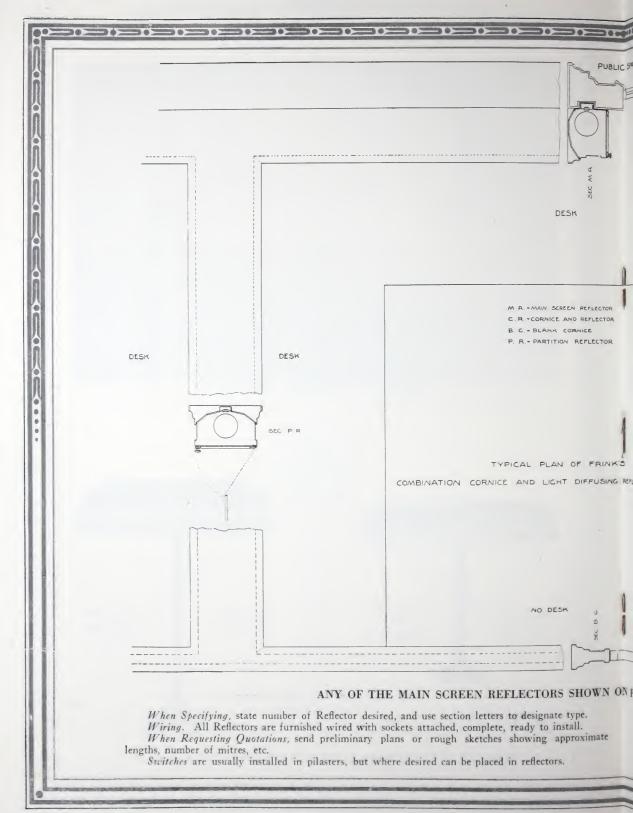


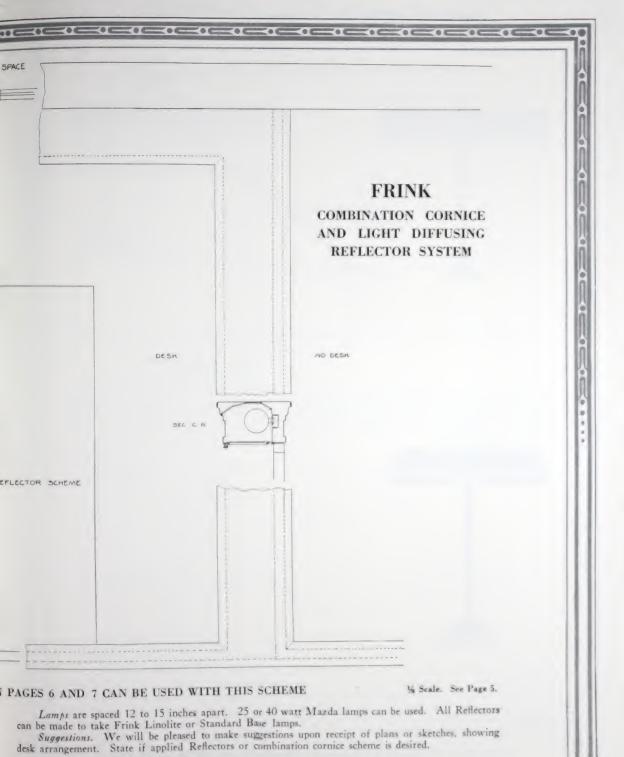
DIAGRAM SHOWING THE REASON

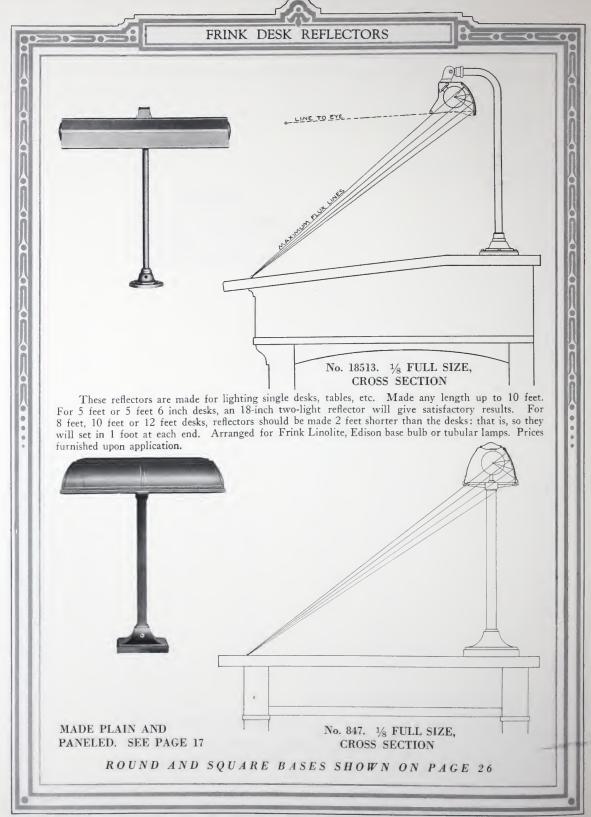
Frink Reflectors are scientifically designed to properly distribute the light over the working plane and reduce glare or specular reflection to a minimum.

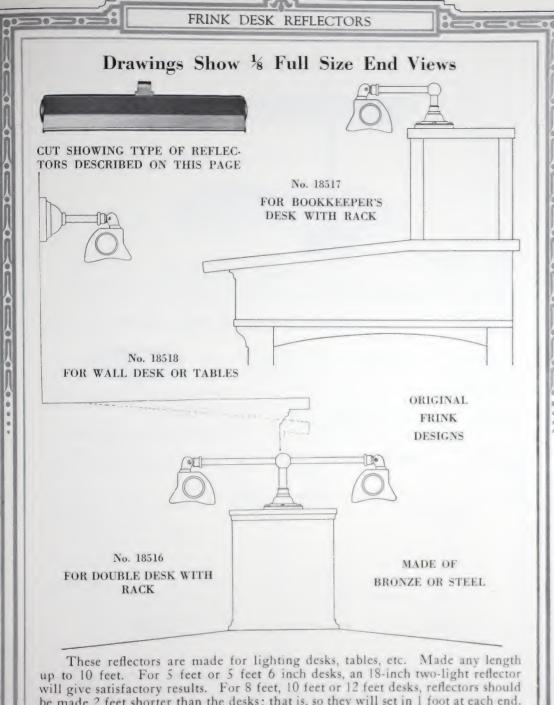
ALL TYPES SHOWN ARE ORIGINAL FRINK DESIGNS









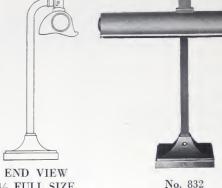


be made 2 feet shorter than the desks; that is, so they will set in I foot at each end. Made to take Frink Linolite or standard base bulb or tubular lamps. Prices furnished upon application.

ROUND AND SQUARE BASES SHOWN ON PAGE 26

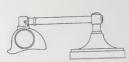


Portables



No. 19450 FOR ROLL TOP DESK

REFLECTORS 15" LONG, FOR 2 STANDARD BASE TUBULAR LAMPS



1/2 FULL SIZE

FOR FLAT TOP DESK

BOTH TYPES MADE WITH SQUARE AND ROUND BASES

END VIEW 1/8 FULL SIZE



No. 833

CROSS SECTION 1/8 FULL SIZE

Frink Coupon Booth Reflector

MADE 9" LONG, OF BRONZE OR STEEL, FOR STANDARD BASE LAMP



CUT SHOWING FRONT VIEW

Frink Partition Reflectors

DRAWINGS 1/8 FULL SIZE

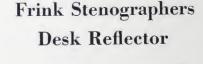
Nº 834

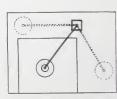


Nº 835



N° 836





No. 837 1/8 FULL SIZE

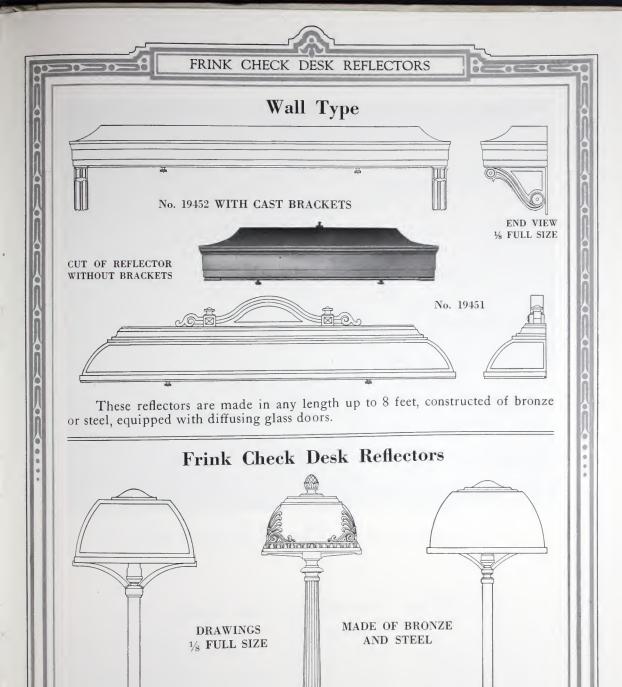
PLAN OF DESK SHOW-ING DRAWING OF FIX-TURE ADJUSTMENT

No. 834 can be made paneled as shown. Also not paneled. No. 835 and No. 836 made plain

These reflectors are installed on cage partitions or walls for lighting desks, tables, etc.

Fixture can be adjusted over entire working surface of desk

MADE OF BRONZE OR STEEL FOR STANDARD BASE LAMPS



No. 838
SQUARE PORTABLE
SPECIAL DESIGNS
ON REQUEST

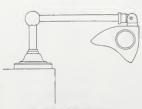
No. 18521, END VIEW
MADE ANY LENGTH UP TO
8 FT. SEE PAGE 13. MADE
WITH AND WITHOUT GLASS
DIFFUSING DOORS

No. 18520 ROUND PORTABLE BASES SHOWN ON PAGE 26



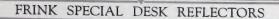
A TIME-SAVING, PROPERLY ILLUMINATED FILING RACK No. 18519

For Filing Cabinets, Sorting Racks, Etc.



END VIEW OF REFLECTOR 1/8 FULL SIZE These reflectors are made for lighting filing cabinets, stamp racks, etc. Made any length up to 10 feet. For 8 feet, 10 feet or 12 feet racks, reflectors should be made 1 foot shorter than the racks: that is, so they will set in 6 inches at each end. Made to take Frink Linolite or standard base bulb or tubular lamps. Prices furnished upon application.

We make special reflectors scientifically designed to give perfect diffusion over working surfaces of every description, adding machine and check sorting tables, stamp racks, etc.



With Calendar, Ink Wells and Pen Racks

No. 845 WITH MARBLE BASE

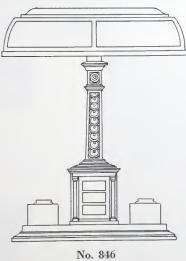


MADE FOR SINGLE AND DOUBLE DESKS

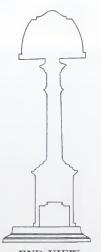
DRAWING 1/8 FULL SIZE, REFLECTOR 18" LONG, 2 LIGHT



END VIEW FOR DOUBLE DESKS



WITH BRONZE BASE



END VIEW FOR SINGLE DESKS

Reflectors constructed of cold drawn bronze, standards of cast bronze. No. 845 furnished with black and gold or Elks green marble base. No 846 furnished with cast bronze base.

SPECIAL DESIGNS FURNISHED ON REQUEST

FRINK POLARALITE SIGNS

Description

Frink Polaralite Signs consist of a heavy sheet of plate glass into which the lettering or design is deeply sandblasted. An entirely new departure in construction, so different from ordinary signs that it at once attracts attention by its striking and forceful appeal.

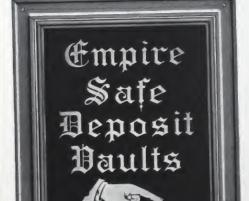
The source of illumination is entirely hidden. The light enters the plate through the edge. The plate appears dead except where the blasting occurs, giving a surprisingly beautiful and original effect.

It is artistic, economical and durable; there is nothing to deteriorate or wear out. For all places where an ornate and effective sign is demanded, such as Banks, Libraries, Hotels, Stores and Public Buildings generally, the Polaralite Sign has no equal.

The examples shown are merely suggestions; there is practically no limit to the variety of designs which can be carried out in these signs. We shall be glad to submit sketches and full information on request and co-operate in carrying out the ideas of any prospective buyer.

FRINK POLARALITE SIGNS ARE PROTECTED BY U. S. PATENTS ISSUED SEPT. 25, 1906—AUGUST 18, 1914; JULY 13, 1915—JULY 27, 1915. OTHER PATENTS PENDING.





1/4 FULL SIZE



1/4 FULL SIZE

No. 842 CAST BRONZE FRAME

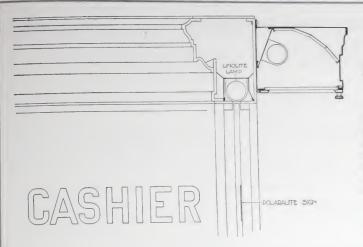


No. 844

APPLIED ORNAMENTATION

Made in various sizes in many different styles. In asking for quotations state approximate size of sign desired, reading matter, to read from one or both sides, what finish for metal parts. Send for Circular No. 62

FRINK LINOLITE LAMPS



Polaralite Sign Over Wicket

Letters blasted in glass. Frink Linolite lamp concealed in cornice of counter screen over edge of glass. No apparent light source. Producing a striking and unique effect.

Frink Linolite Mazda Lamps

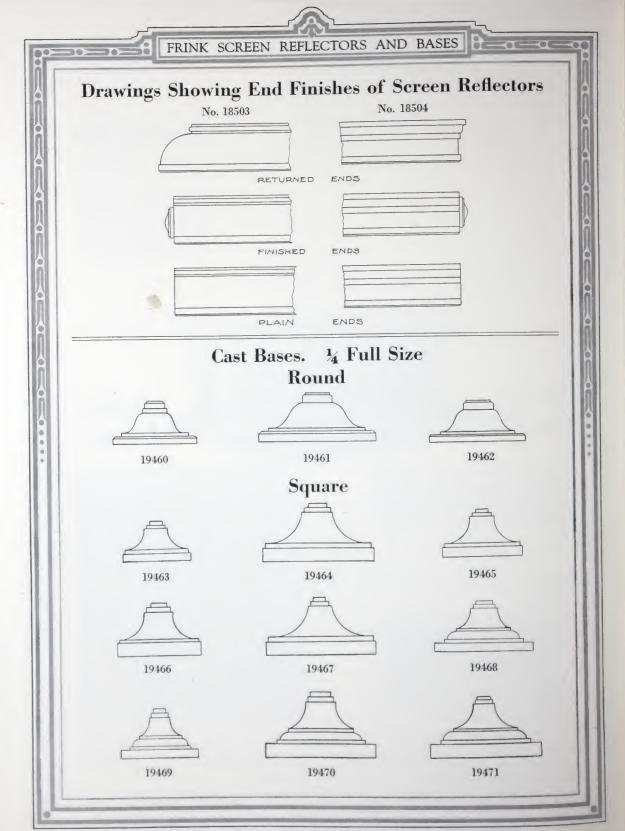
The Frink Linolite Lamp referred to in the foregoing pages has many advantages over the standard screw base tubular lamp commonly used. It consists of a glass tube one inch in diameter and eleven and seven thirty-second inches long. Special Sockets of extremely simple design are provided for the lamp which has a single contact at each end. The filament extends the entire length of the tube—through the center. When placed end to end "Frink Linolite" forms a continuous "line of light."

The Frink Linolite Lamp when used with properly designed reflectors permits perfect control of the light. The filament being a line source of light paralleling the panels of the reflector enables us to confine the light to certain areas or distribute it with equal intensity over a definite surface.

The fine quality Mazda filament is terminated in the end caps forming the contacts. Spring supports are provided within the tube to retain the filament in a central position and prevent injurious sagging. The glass area of the lamp is 31 square inches, nearly twice that of the ordinary tubular lamp and about 20 per cent, more than the usual bulb lamps of equal candle-power. This additional area reduces the effects of natural deposits and enhances the useful life of the lamp.

The special sockets for use with this lamp are of one piece porcelain and involve only one movable part. No live parts of either lamp or socket are exposed to endanger accidental contact or possible short circuits. This socket is smaller than the lamp diameter, and in this respect has an advantage possessed by no other similar device. This permits the designing of efficient reflectors of smaller size than is possible with the ordinary tubular lamp with screw base.

Frink Linolite Lamps are made in three sizes: 25 watt—20 C-P and 35 watt—28 C-P series burning; 25 watt—20 C-P and 40 watt—30 C-P multiple burning. The series lamps operate four in series and are made for 25 to 32 volts for operation on circuits from 100 to 128 volts. The multiple lamp is made for various voltages between 105 and 130. The average useful life of all Frink Linolite lamps is well over one thousand hours.



Partial List of Banks Using the Frink System of Counter Screen and Desk Lighting

Adams, Mass. Greylock National Bank

Adams, N. Y.
Citizens Trust Co.

Albany, N. Y.
Albany City Savings Bank
Albany County Savings Bank
Albany National Savings Bank
Amsterdam, N. Y.

Montgomery County Trust Co.

Appleton, Wis. First National Bank

Atlanta, Ga.
Continental Trust Co.
Fourth National Bank
Georgia Savings Bank

Attica, O. Sutton State Bank

Auburn, Me. First Auburn Trust Co.

Auburn, N. Y.
Auburn Savings Bank
Augusta, Me.
State Trust Co.

Aurora, Ill.
Home Building & Loan Ass'n

Baltimore, Md.
Commercial State Bank
Commercial Trust Co.
First National Bank
Industrial Bank of Baltimore
Maryland Trust Co.
Security Storage & Trust Co.
Sun Life Building
Western National Bank

Bangor, Me. Bangor Savings Bank

Barberton, O. Peoples Savings & Banking Co.

Barre, Vt.
Peoples National Bank
Bartlesville, Okla.
First National Bank

Bath, Me.
Bath Trust Co.
Bay City, Mich.
Commercial Trust Co.

Bayonne, N. J.
Bank of South Hudson

Bethlehem, Pa.
Wilbur Trust Co.
Belville, Ill.
Belville Savings Ban

Belville Savings Bank Biddeford, Me. First National Bank Billings, Mont.

Yellowstone National Bank Bloomfield, N. J. Bloomfield Trust Co.

Bloomfield Trust Co Bogota, Colombia Banco Lopez

Boston, Mass.

Dorchester Trust Co.

Exchange Trust Co.

First National Bank Merchants National Bank Metropolitan Trust Co. National Union Bank Old Colony Trust Co. Second National Bank State Street Trust Co. U. S. Trust Co. Webster & Atlas National

Webster & Atlas National Bank Workingman's Co-operative Bank

Bozeman, Mont. Commercial National Bank

Bradford, O. First National Bank

Bradford, Pa.
Bradford National Bank
Bradford Savings Bank

Branford, Conn.
Branford Savings Bank

Bremen, O.
First National Bank

Bridgeport, Conn. City Savings Bank Bridgeport Trust Co.

Brockton, Mass.
Brockton National Bank
Brockwayville, Pa.

First National Bank Brownsville, Pa. Second National Bank

Brooklyn, N. Y.
Greater New York Savings Bank
Kings County Trust Co.
Nassau National Bank
North Side Savings Bank
Williamsburg Savings Bank

Buffalo, N. Y.
Bank of Buffalo

Camden, N. J.

Broadway Trust Co.
Central Trust Co.

Centerville, Md.
Centerville National Bank

Chanute, Kan. First National Bank

Charleroi, Pa.
Bank of Charleroi
Charleroi Savings & Trust Co.
Charleston, W. Va.

Kanawha Banking & Trust Co Charlotte, N. C. Charlotte National Bank

Chattanooga, Tenn.
First National Bank
Chenango, N. Y.

Chenango, N. Y.
Chenango National Bank
Chester, Pa.

Delaware County Trust Co. Delaware County National Bank First National Bank Merchants National Bank

Chicago, Title & Trust Co. Continental & Commercial National Bank Continental & Commercial Safe Deposit Co.

Drexel State Bank
Federal Reserve Bank
First National Bank
First Trust & Savings Bank
Greenbaum Bank & Trust Co.
Harris Trust & Savings Bank
Lake View State Bank
National City Bank
Ogden Avenue State Bank
Peabody, Houghteling & Co.
Sheridan Trust & Savings Bank

Peabody, Houghteling & Co. Sheridan Trust & Savings Ban Society for Savings State Bank of Chicago State Bank of Oak Park

State Bank of Oak Fark
State Lake Bank
United Banking & Savings Co.

Cincinnati, O.
Central Trust Co.
Fifth Third National Bank
Hamilton County Court House
Union Savings Bank & Trust Co.

Clearfield, Pa.
National Bank
Clearfield Trust Co.

Cleveland, O.
City Hall
Cleveland Trust Co.
Doan Savings & Loan Association
East Ohio Gas Co.
First National Bank
First Second National Bank
Midland Bank
National City Bank
Pearl Street Bank
Society for Savings
Superior Savings & Trust Co.
Union Trust Co.
Union Trust Co.
United Banking & Savings Co.
Cleveland Trust Co.—Wade Park
Branch
West Side Savings & Loan Asso-

ciation
Clinton, Ia.
City National Bank
Clinton, Ind.

Clinton Trust Co.
Clinton, Mass.
Clinton Savings Bank

Columbus, O.
Deshler Hotel
Market Exchange Bank
Ohio National Bank

Columbus, Ga.
Third National Bank
Merchants & Mechanics Bank

Columbus, Wis. Farmers & Merchants Union Bank

Coney Island, N. Y.
Bank of Coney Island
Corsicanna, Tex.
First National Bank

Cortland, N. Y. National Bank of Cortland

LIST OF BANKS USING DESK AND SCREEN FIXTURES-Continued

Crowley, La.
First National Bank
Cumberland, Md.
Liberty Trust Co.
Curtis Bay, Md.
Industrial State Bank of Baltimore.

Dallas, Tex.

American Exchange National Fairfield, Me.

Bank
Fairfield S

Dayton, O.
American Loan & Savings Association
Deadwood, S. D.

First National Bank Dearborn, Mich Dearborn State Bank Decatur, Ill.

Milliken National Bank
Delaware, O.
Delaware Savings & Banking Co.

Delaware Gas Co.

Dennison, O.

Dennison National Bank

Denver, Colo.
First National Bank
Colorado National Bank
International Trust Co.

Detroit, Mich.
American Savings Bank & Branch
Central Savings Bank & Branch
Detroit Savings Bank & Branch
Dime Savings Bank & Branch
German American Bank & Branch
Michigan Savings Bank & Branch
Peoples State Bank & Branches
Peninsular State Bank
Union Trust Co.

Wayne County & Home Savings Bank Workingman's Savings & Trust

Co.
Dillon, Mont.
First National Bank

Dixon, Ill. Dixon National Bank

DuBois, Pa.
Deposit National Bank
Union Bank & Trust Co.

Dunkirk, N. Y.
Dunkirk Trust Co.

East Boston, Mass.
East Boston Savings Bank
East Orange, N. J.

Savings Investment & Trust Co. East St. Louis, Ill. South Illinois National Bank

Ebensburg, Pa.
American National Bank
Elizabeth, N. J.

Elizabeth, N. J.
Elizabethport Banking Co.
National State Bank
Union County Trust Co.
Elmira, N. Y.

Chemung Canal Trust Co. Merchants National Bank Elyria, O.

First National Bank Lorain County Savings Bank Emporium, Pa.
First National Bank
Englewood, N. J.
Palisades Trust Co.

Erie, Pa.
Second National Bank
Evansville, Ird.
Citizens National Bank

Fairfield, Me. Fairfield Savings & Trust Co.

Fall River, Mass.
Fall River National Bank
Fall River Trust Co.
Massasoit & Pocasset National
Bank
Metacomet National Bank

Metacomet National Bank Union Savings Bank Fitchburg, Mass.

Fitchburg Savings Bank
Flint, Mich.
Genesee County Savings Bank
Forest Park, Ill.

Forest Park State Bank Fort Laramie, O. Laramie Banking Co. Fort Wayne, Ind.

Old National Bank
Fort Worth, Tex.
National Bank of Commerce
Farmers & Mechanics Nations

Farmers & Mechanics National Bank Frankford, Pa. Second National Bank

Frankfort, Ky.
State National Bank

Geneva, N. Y.
First National Bank
Geneva Trust Co.
Glens Falls, N. V.

Glens Falls, N. Y.
Glens Falls National Bank
Glenside, Pa.
Glenside National Bank

Gloversville, N. Y.
City National Bank
Fulton County National Bank
Grand Haven, Mich.

State Bank
Grand Rapids, Mich.
Commercial Savings Bank

Old National Bank
Great Falls, Mont.
Great Falls National Bank
Greenfield, O.

Highland County Bank Greenville, O. Peoples Savings Bank

Greenville, N. C.
Greenville Banking & Trust Co. Jackson, Mich.
Greenwich, Conn.
Jackson City

Greenwich Trust Co.
Greensboro, N. C.
American Exchange National
Bank

Haddonfield, N. J. Haddonfield National Bank Hamilton, Ont., Canada Bank of Hamilton Hancock, Ind. First National Bank

Harrisburg, Pa.
Federal Title & Trust Co.
Allison Hill Trust Co.

Hartford, Conn.
Aetna National Bank
City Bank & Trust Co.
Colonial National Bank
New Hartford National Bank

Hartsville, S. C. Bank of Hartsville

Havana, Cuba Banco Pedro Gomez

Haverhill, Mass.
City Five Cent Savings Bank
Essex National Bank
First National Bank
Haverhill Trust Co.

Havre, Mont.
Montana National Bank of Havre
Helena, Mont.

Helena Branch Federal Reserve
Bank of Minneapolis
Union Bank & Trust Co.
Hershey, Pa.

Hershey Trust Co.
Highland Falls, N. Y.
First National Bank

Holyoke, Mass. Holyoke National Bank

Hopedale, Mass.
Draper Building
Houlton, Mc.
Houlton Trust Co.
Houston, Tex.
Union National Bank

Union National Bank
Howell, Mich.
First State & Savings Bank

Hudson Falls, N. Y.
Sandy Hill National Bank
Huntington, Ind.
Huntington County Bank

Huntington, W. Va. Huntington First National Bank

Indiana, Pa.
Farmers Bank & Trust Co.
Indianapolis, Ind.
Fletcher American National Bank

Fletcher American National Bank Fletcher Trust & Savings Bank National City Bank Ironton, O. Iron City Savings Bank

Irwin, Pa.
Citizens National Bank
Ithaca, N. Y.

Ithaca, N. Y. First National Bank

Jackson, Much.
Jackson City Bank
Jacksonville, Fla.
Barnett National Bank
Florida National Bank
Jamaica, N. V.
Jamaica Savings Bank

First National Bank Jamestown, N. Y. Bank of Jamestown First National Bank

LIST OF BANKS USING DESK AND SCREEN FIXTURES-Continued

Jersey City, N. J.
Commercial Trust Co.
Hudson City Savings Bank
N. J. Guarantee Title & Trust Co.
Peoples Safe Deposit & Trust Co.
Joplin, Mo.
First National Bank

Kalamazoo, Mich.
Kalamazoo National Bank
Kalamazoo State Bank

Kalamazoo State Bank
Kane, Pa.
Kane Trust Co.
Kansas City, Mo.
Federal Reserve Bank
New England National Bank
Pioneer Trust Co.
Title Savings & Trust Co.
Kewanee, Ill.

Savings Bank of Kewanee

Keyser, W. Va.

Peoples Bank

Kokomo, Ind. Kokomo Trust Co. Knoxville, Tenn. Holston National Bank

Lancaster, O.
Fairfield National Bank
Lancaster, Pa.
Lancaster Trust Co.

LaFayette, Ind. Farmers & Traders Bank Lake Charles, La.

Lake Charles, La.
Calcasieu National Bank
Lansing, Mich.

Lansing State Bank Laurel, Del. Peoples Trust Co. Lawrence, Mass.

Bay State National Bank Lawrence Trust Co. Lewiston, Me. Androscoggin City Savings Bank

Lewiston Trust Co.

Lidgerwood, N. D.

First National Bank

First National Bank Lorain, O. City Bank

City Bank

Los Angeles, Cal.

All Night & Day Bank
City National Bank
First National Bank
German American Trust & Savings Bank
Merchants National Bank
Los Angeles Trust & Savings

Los Angeles Trust & Saving Bank Security Trust & Savings Bank

Louisville, Ky.
Citizens Union Savings Bank
First & Fourth National Bank and
First Savings Bank & Trust Co.
German Bank
Liberty Insurance Bank

Louisville Trust Co.
Security Bank
Union National Bank

Lowell, Mass.
Old Lowell National Bank
Lowell Institution for Savings

Lynn, Mass.

Manufacturers National Bank
Security Trust Co.

Macon, Ga. Citizens & Southern Bank Fourth National Bank

Madera, Cal. Comr.ercial National Bank

Madison, Wis.
Bank of Wisconsin

Malone, N. Y.
Farmers National Bank
Peoples Trust Co.

McDonald, Pa. First National Bank

McKeesport, Pa.
City Bank of McKeesport

Mattoon, Ill.
Mattoon National Bank

Martinsburg, W. Va.
Peoples Trust Co.
Mechanicsville, N. Y.
Manufacturers National Bank

Medina, O. Savings Deposit Bank

Memphis, Tenn.
Bank of Commerce & Trust Co.

Mercer, Pa.
First National Bank

Miami, Fla. Bank of Bay Biscayne First National Bank

Middletown, Conn.
Middletown National Bank
Middletown, N. Y.
Orange County Trust Co.

Middletown, O. First Merchants National Bank

First Merchants National Bank Milford, Ill. First National Bank

Milwaukee, Wis.
First National Bank
First Wisconsin National Bank
German American Bank
Second Ward Savings Bank

Minneapolis, Minn.
First National Bank
Minneapolis Trust Co.

Moline, Ill.
Fifth Ave. Trust & Savings Bank
Monessen, Pa.

Monessen Savings & Trust Co. Monroe, Mich. Monroe State Savings Bank

Monroe, N. Y.
Monroe National Bank
Morristown, N. J.

First National Bank National Iron Bank Montreal, Canada

Bank of Montreal
Bank of Toronto
British North American Bank
Merchants Bank
Quebec Bank

Royal Trust Co.

Mt. Carmel, Pa.

Union National Bank

Mt. Pleasant, Pa.
Citizens Savings & Trust Co.

Nanticoke, Pa.
First National Bank
Nanticoke National Bank

Nashville, Tenn.
Fourth & First National Bank

Neenah, Wis.
First National Bank
Newark, N. J.

Essex County National Bank Federal Trust Co. Union National Bank

New Bedford, Mass.
Mechanics National Bank
Merchants National Bank
Safe Deposit & Trust Co.
Textile Trust Co.

New Britain, Conn.
Commercial Trust Co.
New Brunswick, N. J.

New Brunswick Trust Co. Newburgh, N. Y. Highland National Bank

New Kensington, Pa.
Logan Trust Co.
New Haven, Conn.

Connecticut Savings Bank First National Bank Mechanics Bank National Tradesmen's Bank Second National Bank

New London, Conn.
National Bank of Commerce
New Orleans, La.

Hibernia Bank & Trust Co. Marine Bank & Trust Co. Whitney Central National Bank

Norfolk, Va.

Bankers Trust Co.
Counties Trust Co.
National Bank of Commerce
Norristown, Pa.

Montgomery Trust Co. Pennsylvania Trust Co. North Adams, Mass. North Adams Trust Co. Norwich, N. Y.

Norwich, N. Y.
National Bank
New York, N. Y.

American Express Building

American Express Building
American Foreign Banking Corp.
Anglo South American Bank
Assay Office
Atlantic National Bank
Banco Commerciale Italiana
Bank of America
Bank of India, Australia & China
Bank of Montreal
Bankers Trust Co. & Branches

Battery Park National Bank
Central Union Trust Co. of New
York & Branches
Chase National Bank

Chatham & Phenix Bank &

Branch Chelsea Exchange Bank Clark Bros. Banking House Columbia Bank

LIST OF BANKS USING DESK AND SCREEN FIXTURES-Continued

New York, N. Y .- (Continued) Columbia Trust Co. Commercial Trust Co. Continental Bank of New York Corn Exchange Bank Doherty, H. L., & Co. Equitable Trust Co. Farmers Loan & Trust Co. Branch Fidelity International Trust Co. Fifth National Bank Franklin Trust Co. Goldschmidt & Co. Guaranty Trust Co. & Branch Hanover National Bank Importers & Traders National Bank International Bank International Banking Corp. Irving National Bank

Italian Discount & Trading Co. Kidder, Peabody & Co. Knauth, Nachod & Kuhn Kuhn, Loeb & Co. Leach, A. B., & Co. Lincoln National Bank Lincoln Trust Co. & Branch Lionella Perrera Co. Manhattan Savings Institution Manhattan Trust Co. Mechanics & Metals Bank & Branch Mercantile Bank of the Americas

Mercantile Trust Co. Merchants National Bank Merrill & Lynch Metropolitan Bank & Branches Metropolitan Casualty Co. Metropolitan Trust & Safe Deposit Co.

J. P. Morgan & Co. National City Co. National City Bank Nemeth State Bank New York Trust Co. Norton, Lilly & Co. Pacific Bank Richard, C. B., & Co. Royal Bank of Canada Scandinavian Trust Co. Seaboard National Bank Smithers, F. S. Brothers, Bank State Bank, Madison Square

Branch Straus, S. W., Bankers U. S. Mortgage & Trust Co. Yokohama Specie Bank Zimmermann & Forshay Wollman & Co.

Oak Park Trust & Savings Bank Oklahoma City, Okla. State National Bank Olean, N. Y. First National Bank

Olyphant, Pa.
First National Bank
Omaha, Neb.

Omaha National Bank
Oneida, N. Y.
Oneida Valley Bank & Trust Co.
Osceola Mills, Pa.

Portland Tr.
Portsmouth, O.
First Nation

First National Bank

Oshkosh, Wis. Old National Bank Oyster Bay, N. Y. Oyster Bay Bank

Parkersburg, W. Va. Union Trust & Deposit Co. Paterson, N. J.

Paterson Savings Institution U. S. Trust Co.

Peekskill, N. Y. Peekskill National Bank Peoria, Ill. First National Bank

Philadelphia, Pa.
Beneficial Savings Fund Society
Commercial Trust Co. Corn Exchange Bank Federal Reserve Bank Federal Reserve Bank Fidelity Trust Co. Finance Co. Bank Franklin National Bank Franklin Trust Co. Logan Trust Co. Ninth National Bank

North Philadelphia Trust Co. The Penn Co. Second National Bank

Second National Bank of Frankford State Bank of Philadelphia Tenth National Bank Union National Bank

U. S. Loan Society West End Trust Co. Phillipsburg, Pa. First National Bank

Pittsburgh, Pa. Collier Land Co. Diamond National Bank Dollar Savings & Trust Co. Mellon National Bank

Mellon National Bank
Oakland Savings & Trust Co.
Peoples Mutual Gas Co. Building
Second National Bank
Union Savings Bank Union Trust Co. Western National Bank

Workingman's Savings Bank & Trust Co. Pittsfield, Mass.

Berkshire County Savings Bank Pittston, Pa.

First National Bank Liberty National Bank Miners Savings Bank Plainfield, N. J. First National Bank

Plymouth, Pa. First National Bank Portchester, N. Y First National Bank

Portland, Me.
First National Bank Casco Mercantile Trust Co.

Portland, Ore.
Ladd & Tilton Bank
Portland Trust Co.

First National Bank Security Bank

Portsmouth, Va. First National Bank

Pottstown, Pa.
National Bank of Pottstown Security Trust Co.

Poughkeepsie, N. Y. First National Bank Princeton, N. J.

First National Bank Providence, R. I.

Blackstone Canal National Bank Industrial Trust Co. National Bank of Commerce Public Buildings Department Union Trust Co. (Olneyville Branch)

Pueblo, Colo. First National Bank

Ravenna, O. Second National Bank Reading, Pa. Northeastern Trust Co.

Penn Trust Co. of Reading Red Bank, N. J. First National Bank

Rhinelander, Wis. Merchants State Bank Richmond, Va.

American National Bank American Trust Co. National Exchange Bank National State & City Bank Planters National Bank Virginia Trust Co.

Roanoke, Va. Citizens Bank Colonial Bank & Trust Co. National Exchange Bank

Rochester, N. Y. Alliance Bank Merchants National Bank Monroe County Savings Bank

Rochester, N. H. Rochester Trust Co.

Saco, Me. York National Bank Sacramento, Cal.
Bank of Sacramento—Branch

San Antonio, Tex. Texas State Bank & Trust Co.

Sandusky, O. Citizens Banking Co. Sanford, Me. Sanford National Bank

Sanford Building Corpn. San Francisco, Cal. Anglo London & Paris National

Bank Bank of California German Savings & Loan Society

& Branches San Juan, P. R.
American Colonial Bank
National City Bank
Royal Bank of Canada

Salt Lake City, Utah Farmers & Stock Growers Bank Walker Bank

Saratoga Springs, N. Y.
Adirondack Trust Co.
Saratoga National Bank

LIST OF BANKS USING DESK AND SCREEN FIXTURES-Continued

Sault Ste. Marie, Mich.
Sault Ste. Marie Savings Bank
Savannah, Ga.

Chatham Bank Hibernia Bank Savings Bank & Trust Co.

Schenectady, N. Y.
Citizens Trust Co.
Schenectady Trust Co.
Union National Bank

Scranton, Pa.
Bosak State Bank
Dime Deposit & Discount Bank
First National Bank
Union National Bank
Third National Bank

Seattle, Wash.
National Bank of Commerce

Sewickley, Pa.
First National Bank
Shelby, O.

First National Bank Shippensburg, Pa. Peoples National Bank

Shreveport, La.
Commercial National Bank

Southampton, L. I. First National Bank South Amboy, N. J.

First National Bank South Bend, Ind.

Citizens Bank & Trust Co. South Bethlehem, Pa.

Wilbur Trust Co.
South Boston, Mass.
I. McLean & Sons

South Greensboro, N. C.
Bank of South Greensboro

South Norwalk, Conn.
South Norwalk Savings Bank

South Omaha, Neb.
Union Stock Yards National
Bank

South Orange, N. J.
Savings & Investment Trust Co.

South River, N. J.
South River Trust Co.

Spencerville, O.
Citizens Bank
Spokane, Wash.
Old National Bank

Springfield, Ill. Ridgeley National Bank

Springfield, Mass.
Chapin National Bank
Commercial Trust Co.
Springfield National Bank
Third National Bank

Springfield, Mo.
Bank of Commerce

Stamford, Conn.
Citizens Savings Bank
First Stamford National Bank

Steubenville, O.
Miners & Mechanics Bank
National Exchange Bank

Sturgis, Ky.
Bank of Sturgis

St. Johns, N. B.
British North American Bank

St. Louis, Mo.

American Exchange National
Bank
Boatmen's Bank
Chippewa Bank
German American Savings Bank

Lafayette South Side Bank State Bank

St. Paul, Minn.
American National Bank
Capital Trust Co.
Merchants National Bank
Merchants Trust & Savings Bank

Summit, N. J.
Summit Trust Co.

Sydney, O.
Peoples Savings & Loan Association

Syracuse, N. Y.
City Bank
City Bank & Trust Co.
First National Bank
First Trust & Deposit Bank
Onondaga County Savings Bank
Syracuse Trust Co.

Tacoma, Wash.
National Bank of Tacoma
Tamaqua, Pa.

First National Bank Tamaqua National Bank

Tiffin, O. Tiffin National Bank

Toledo, O.
Dime Savings & Banking Co.
Market Savings Bank
Second National Bank

Toronto, Canada
Bank of Toronto
Dominion Bank
Merchants Bank
Standard Bank

Standard Bank
Trenton, N. J.
Broad Street National Bank
Colonial Trust Co.
Mercer Trust Co.
Trenton Banking Co.

Trinidad, Colo.
Trinidad National Bank

Tulsa, Okla. Central National Bank Turners Falls, Mass. Crocker National Bank

Twin Falls, Idaho
First National Bank

Uniontown, Pa.
National Bank of Fayette County
Urbana, O.

Champaign National Bank Utica, N. Y. Citizens Trust Co. Oneida National Bank Utica Trust & Deposit Co.

Vineland, N. J. Tradesmen's Bank

Waltham, Mass.
Waltham National Bank

Warren, O. Trumbull Savings & Loan Co.

Warren, Pa.
Citizens National Bank
First National Bank
Warren National Bank
Warren Savings Bank
Warren Trust Co.

Washington, D. C.
Citizens Savings Bank
Commercial National Bank
Departmental Bank
Merchants Bank
Munsey Trust Co.
Standard Savings Bank

Standard Savings Bank Washington, Pa. Citizens National Bank Washington Trust Co.

Waterbury, Conn.
Waterbury National Bank
Waterbury Trust Co.
Watertown, Mass.

Union Market National Bank Waterville, Me.

Waterville, Me.
Ticonic National Bank
Westerly, R. I.
Industrial Trust Co.

West New York, N. J.
New Jersey Title Guarantee &
Trust Co.

Trust Co.
Wheeling, W. Va.
Dollar Savings & Trust Co.
Germania Half Dollar Bank
Wichita, Kan.

Southwest State Bank Wichita Falls, Tex. City National Bank

Wildwood, N. J. Wildwood Title & Trust Co.

Wilkesbarre, Pa.
Miners Bank
Wyoming National Bank
Williamsport, Pa.

Williamsport, Ta.
West Branch National Bank
Williamsport National Bank
Willimantic, Conn.
Hillhouse & Taylor

Wilmington, Del.
Delaware Trust Co.
Municipal Building
Wilmington Savings Fund Society

Winchester, Mass. Middlesex Bank Winston Salem, N. C. Wachovia Bank & Trust Co.

Wachovia Bank & Trust
Winnipeg, Manitoba
Bank of Hamilton
Bank of Montreal

Bank of Montreal
Woodlawn, Pa.
Woodlawn Trust Co.

Worcester, Mass. Worcester Merchants Savings Bank

Wyoning, Pa.
First National Bank
Wyonissing, Pa.
Peoples Trust Co.
Youngstown, O.

Youngstown, O.
Home Savings & Loan Co.
Mahoning National Bank

York, Pa. Guardian Trust Co.





